

ABSTRACT

A multiple-interface radio terminal is provided with facilities which dynamically
5 assign a stream of packet data to be transmitted to a selected one of a plurality of
interface(s). The interfaces respectively support channels that share a common frequency
spectrum but that operate with different transmission protocols, for example the Bluetooth
and 802.11 protocols. The terminal is provided with an interface manager that
periodically transmits query signals to the respective channels to obtain and store
10 refreshable inputs representative of a selected transmission condition(s) on such channels.
Upon the occurrence of a connection request at the terminal, the interface manager
compares the latest stored samples from the respective channels with a reference metric to
generate an indication which represents the relative states of the channels with regard to
the selected transmission condition. The terminal further includes a selector which utilizes
15 an indication from the interface manager to route the incoming packets to be transmitted
to the particular interface whose associated channel exhibits the desired relative state.